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Product datasheet for AR39108PU-N

Hydroxyacid oxidase 1 / HAOX1 (1-370, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Hydroxyacid oxidase 1 / HAOX1 (1-370, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMLPR LICINDYEQH AKSVLPKSIY DYYRSGANDE ETLADNIAAF SRWKLYPRML RNVAETDLST SVLGQRVSMP ICVGATAMQR MAHVDGELAT VRACQSLGTG MMLSSWATSS IEEVAEAGPE ALRWLQLYIY KDREVTKKLV RQAEKMGYKA IFVTVDTPYL GNRLDDVRNR FKLPPQLRMK NFETSTLSFS PEENFGDDSG LAAYVAKAID PSISWEDIKW LRRLTSLPIV AKGILRGDDA REAVKHGLNG ILVSNHGARQ LDGVPATIDV LPEIVEAVEG KVEVFLDGGV RKGTDVLKAL ALGAKAVFVG RPIVWGLAFQ GEKGVQDVLE ILKEEFRLAM ALSGCQNVKV IDKTLVRKNP LAVSKI
Tag:	His-tag
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycer, 0.5M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HAO1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 060015</u>
Locus ID:	54363
UniProt ID:	<u>Q9UJM8, A8K058</u>
Cytogenetics:	20p12.3
Synonyms:	GOX; GOX1; HAOX1



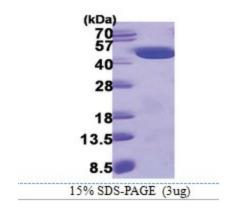
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Serigene Hydroxyacid oxidase 1 / HAOX1 (1-370, His-tag) Human Protein – AR39108PU-N

Summary:This gene is one of three related genes that have 2-hydroxyacid oxidase activity yet differ in
encoded protein amino acid sequence, tissue expression and substrate preference.
Subcellular location of the encoded protein is the peroxisome. Specifically, this gene is
expressed primarily in liver and pancreas and the encoded protein is most active on
glycolate, a two-carbon substrate. The protein is also active on 2-hydroxy fatty acids. The
transcript detected at high levels in pancreas may represent an alternatively spliced form or
the use of a multiple near-consensus upstream polyadenylation site. [provided by RefSeq, Jul
2008]

Protein Pathways: Glyoxylate and dicarboxylate metabolism, Metabolic pathways

Product images:



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